Date	Time	Class/Set	Lesson No	No. in class	Room		
19-03-19	12:20-1:20	10y1	7	Girls: 16	Lab 3		
				Boys: 14			
Your targets from weekly training meeting relevant to this lesson							
TS 6.4 Continuing to develop your strategies for AfL within the lesson giving feedback verbally							
and written.	and written.						
_	TS 5.3 Having an awareness of individual needs of students and adapting lesson as						
_	necessary.						
TS2.3- Refering back to learning objectives?							
Background of the class context of your teaching and learning plan and your expectations							
Targeted Support:			Additional Adults	S:			
Eal	Eal			Emily Paines			
			Philip Snell				
Relevant Curriculu	m Statements						
			noclonal antibodies	are			
			duced from a singl				
			e binding site on o				
			a specific chemical				
			iced by stimulating ly. The lymphocyte				
			r cell to make a cell				
			both divide and m				
			ned to produce man				
			antibody. A large ar	mount			
Pre-supposed kno	tibody can be col			ne / Altornativ	n Idnas		
				115 / Aiternativ	e lueas		
-Understanding of antibodies in the immune responseKnow about white blood cells and how they produce antibodies to destroy a pathogen.							
-May not have come across monoclonal antibodies.							
-Have a different idea of how pregnancy tests work.							
Learning points: Describe what a monoclonal antibody is							
Describe what a mo	mocional antibo	uy is					
Outline the procedure used to produce monoclonal antibodies							
Explain in detail how pregnancy tests work							

Time	Teacher Activity	Pupil Activity	
	What are you doing? Additional adults in	What are the pupils doing? Evidence of	
	room?	progress? Refer to Learning Points.	
12:20 12:30	-Starter task on the board on question on wbcs and antibodies recalling prior knowledge of WBC role in immune response. Thinking question for todays lesson Go around with pink pen checking student answersHand out e praise points Select students to go through answers - go through the graph with answers - students read out L:O's	- students are answering the questions recalling prior knowledgeAnswer the questions when selected for feedback by teacherstudents give responses when selectedCorrect their answersread out LosStudents to think about the big question	
12:30- 12:40 (12:45)	-direct students to thinking task and answers on white boards with partners -couple minutes feedback checking the responsesgo around and check ideasshow the correct definition-students to edit their definition into booksIntroduce the video- task based on this after. Highlight the word epitope -students watch the video- need as reference hand out the sheets for task get student to explain back what they have to do.	- Students think about what monoclonal antibodies are looking at images and the words. - students think pair share - write ideas on the whiteboards -Write definition down -share back feedback when selected. -Students watch the video on making monoclonal antibodies	
12:40- 12:50	- Direct Students to complete the task -label diagrams without help (Top set) -Help sheets for students who need the descriptions available. Challenge qs for those finished -after couple mins show descriptions - tell students doesn't need to be word for word just to show the meaning go around and check students are on taskGain pupil feedback of answers -green pens self assess- answers coming up on the boards Ask for scores.	- students complete the taskhelp sheets availablestudents complete without descriptions Then with to check they have everything in the right orderstudents to feedback their answerscorrect their answers Score themselves green pens.	
12:50- 1:00	-students to watch the video - Direct students to task- answering questions through the video - pause if appropriateget feedback off answers from studentsanswers coming up on the board	-Students watch the video Answer questions through the video -feedback to teacher the answersCorrect answers.	
1:00- 1:15	-Ask students to explain the pictures to ensure they have understood what goes on in the pregnancy testselect students to answer - correct them if wrong words usedStudents to complete exam style question - Mark scheme availablestudents score themselves	-Students explain what is happening at each site after the corrections are madestudents to listen to teacher highlighting particular wordsstudents to complete the exam style question -Students to Mark their exam question - Exam qs as homework or marking it next lesson if no time	
	Plenary quiz quick check match up if time.	Quiz white boards Pack away	

Evidence of Pupil Progress				
Instant foodback through guestioning				
Instant feedback through questioning				
Ability to complete the tasks				
White boards.				
Think pair share and feedback.				
Ability to complete the exam question				
·				
Resources needed:				
Information sheets				
Resource sheets				
Exam questions				
Help sheets				
Challenge tasks.				
Health and Safety issues and Risk Assessment:				
Homework set:				
Homework set:				
Evaluation (after every lesson)				
Compatible A man for Development				
Strengths / Areas for Development				
Evidence				
EVILLENCE				
Actions for future plans				
Actions for future plans				

Reflection (once per week)				